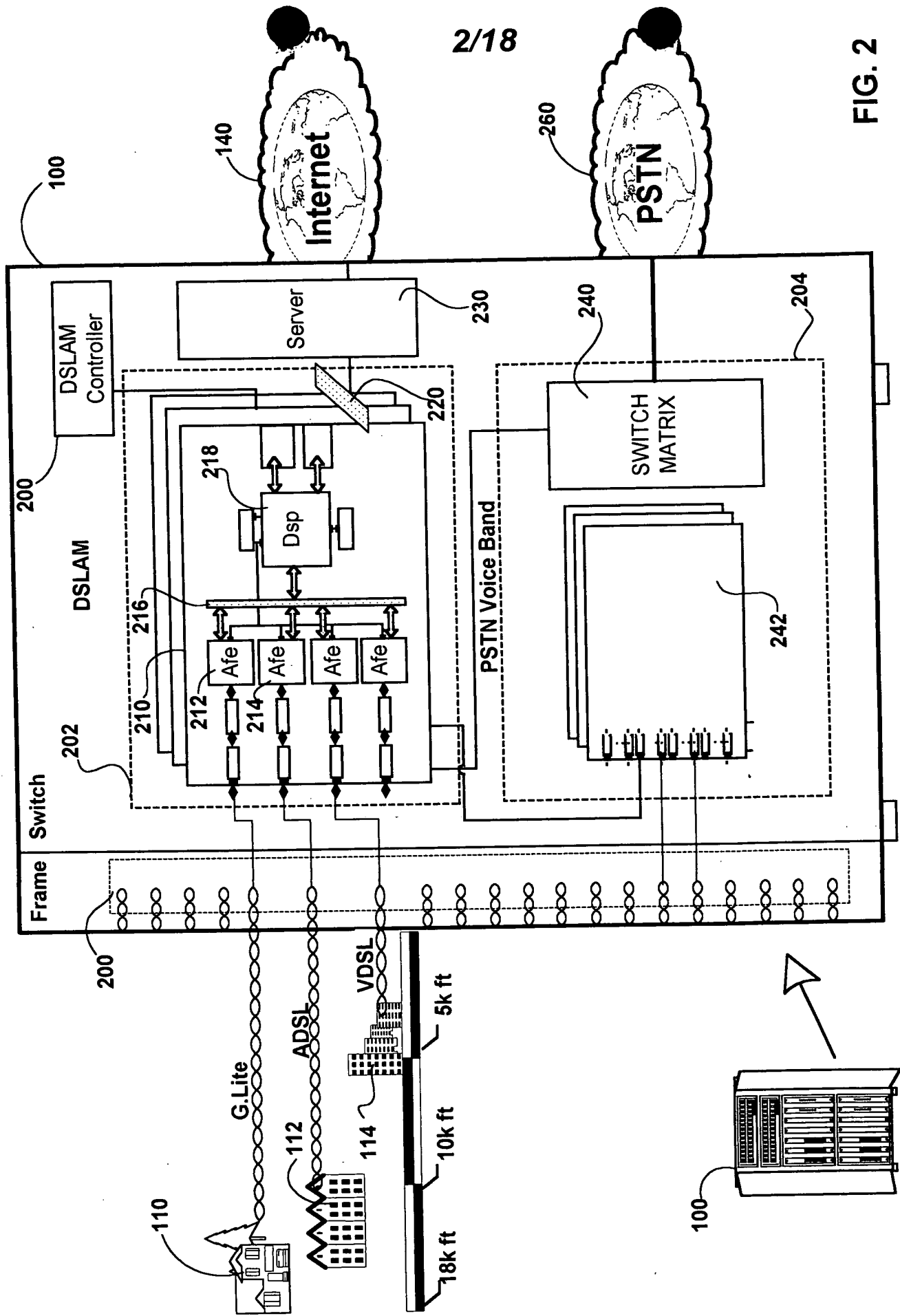


FIG. 2



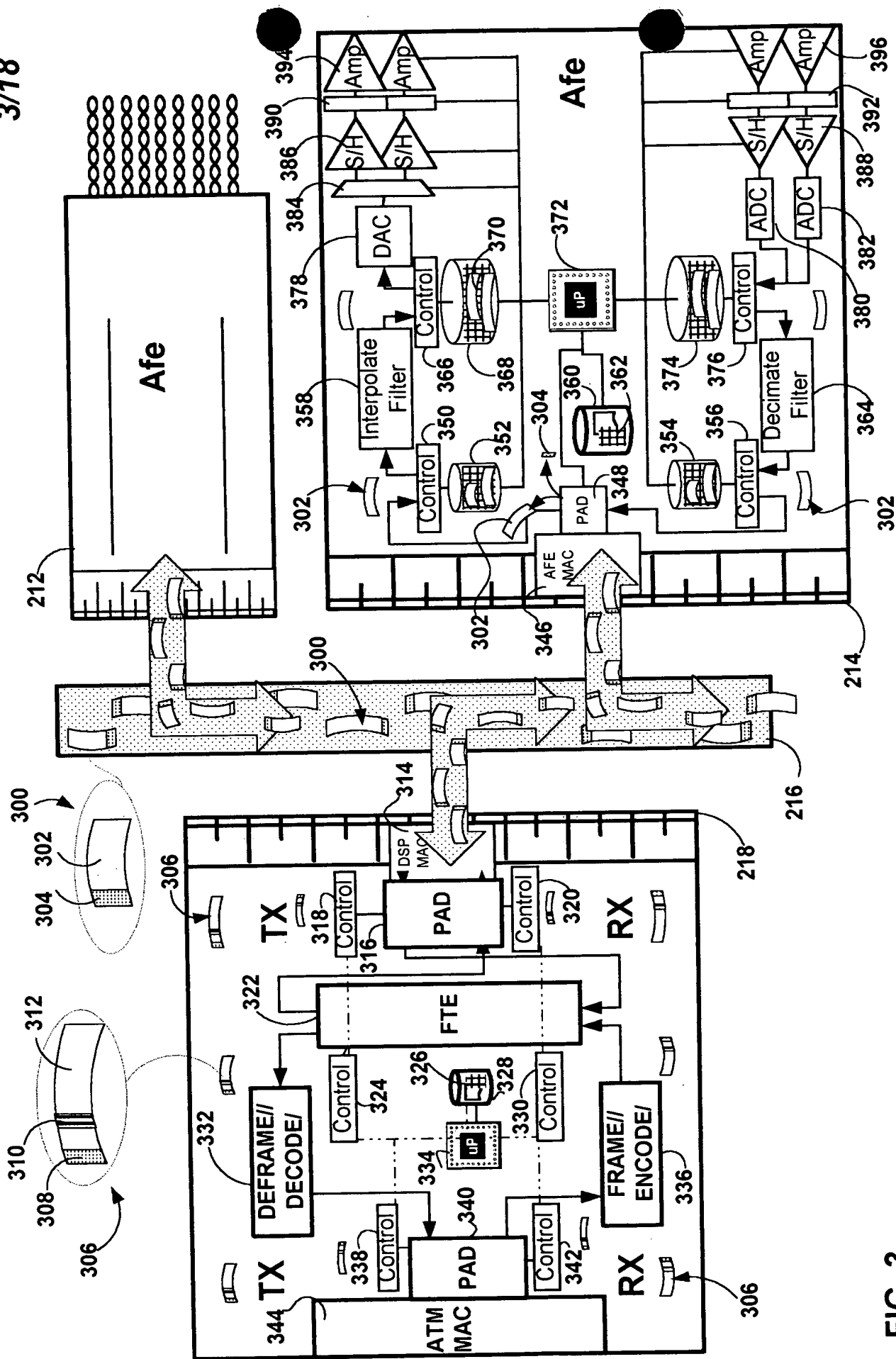
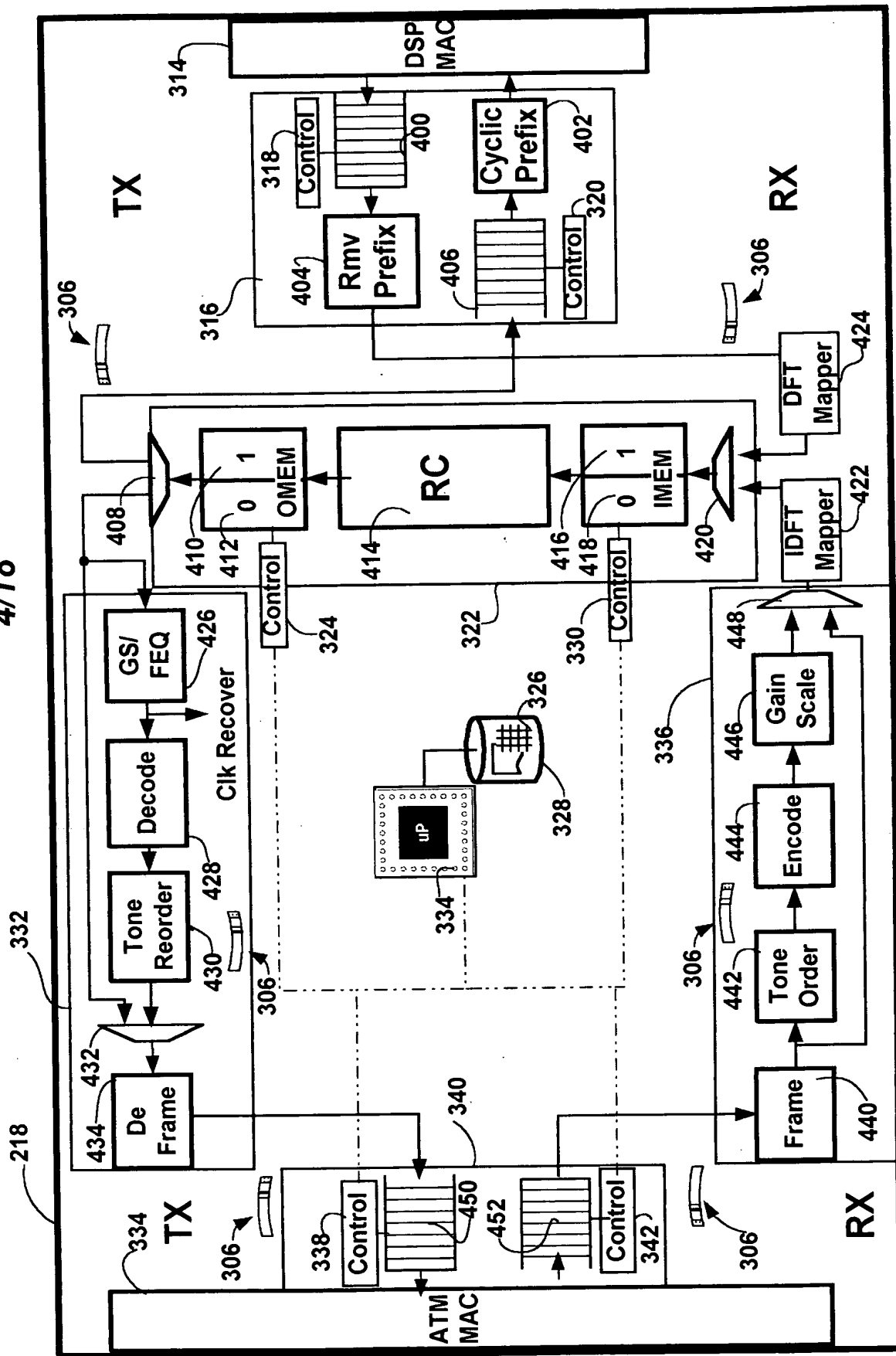
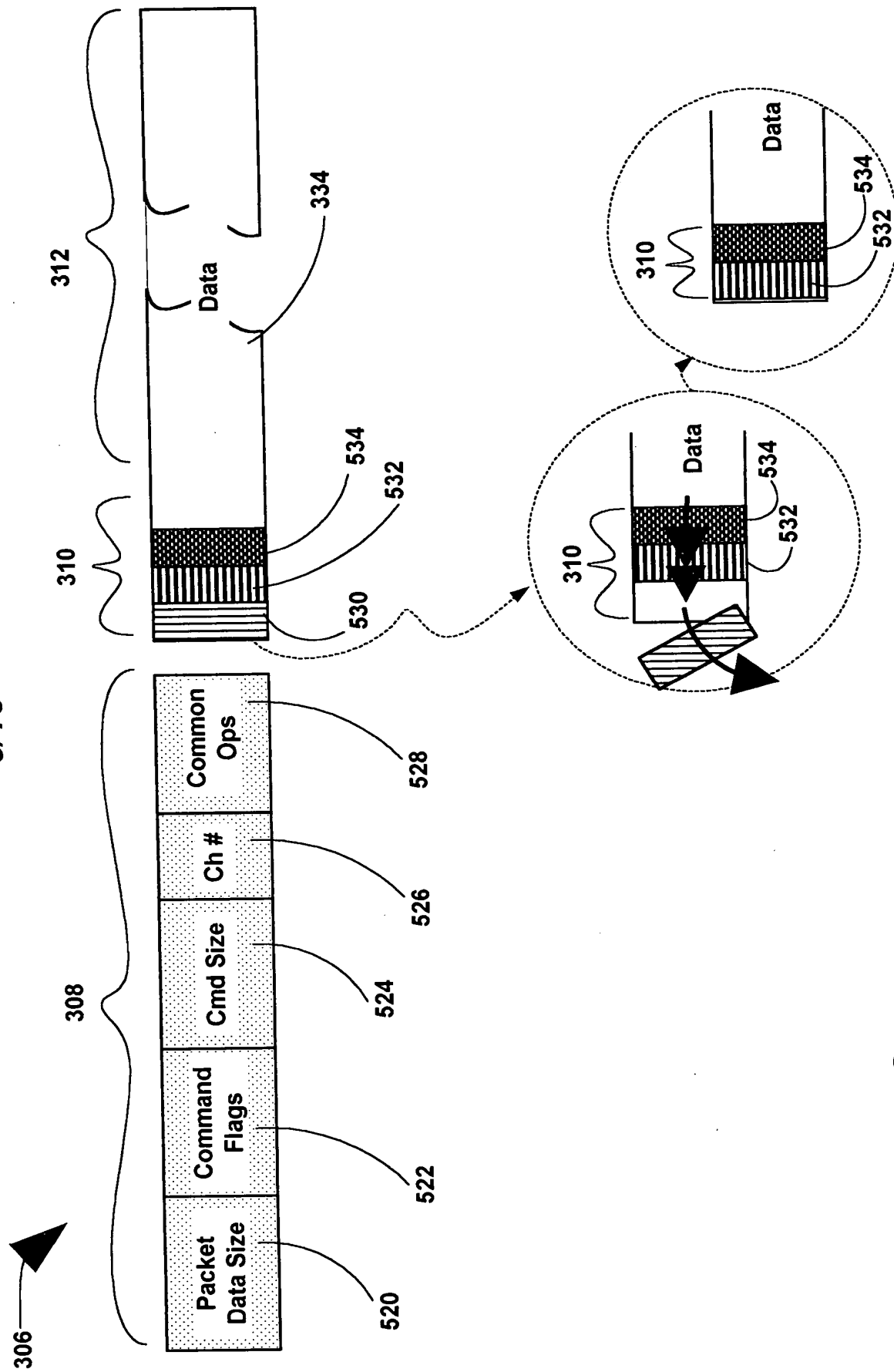


FIG. 3





DSP PACKETS

FIG. 5

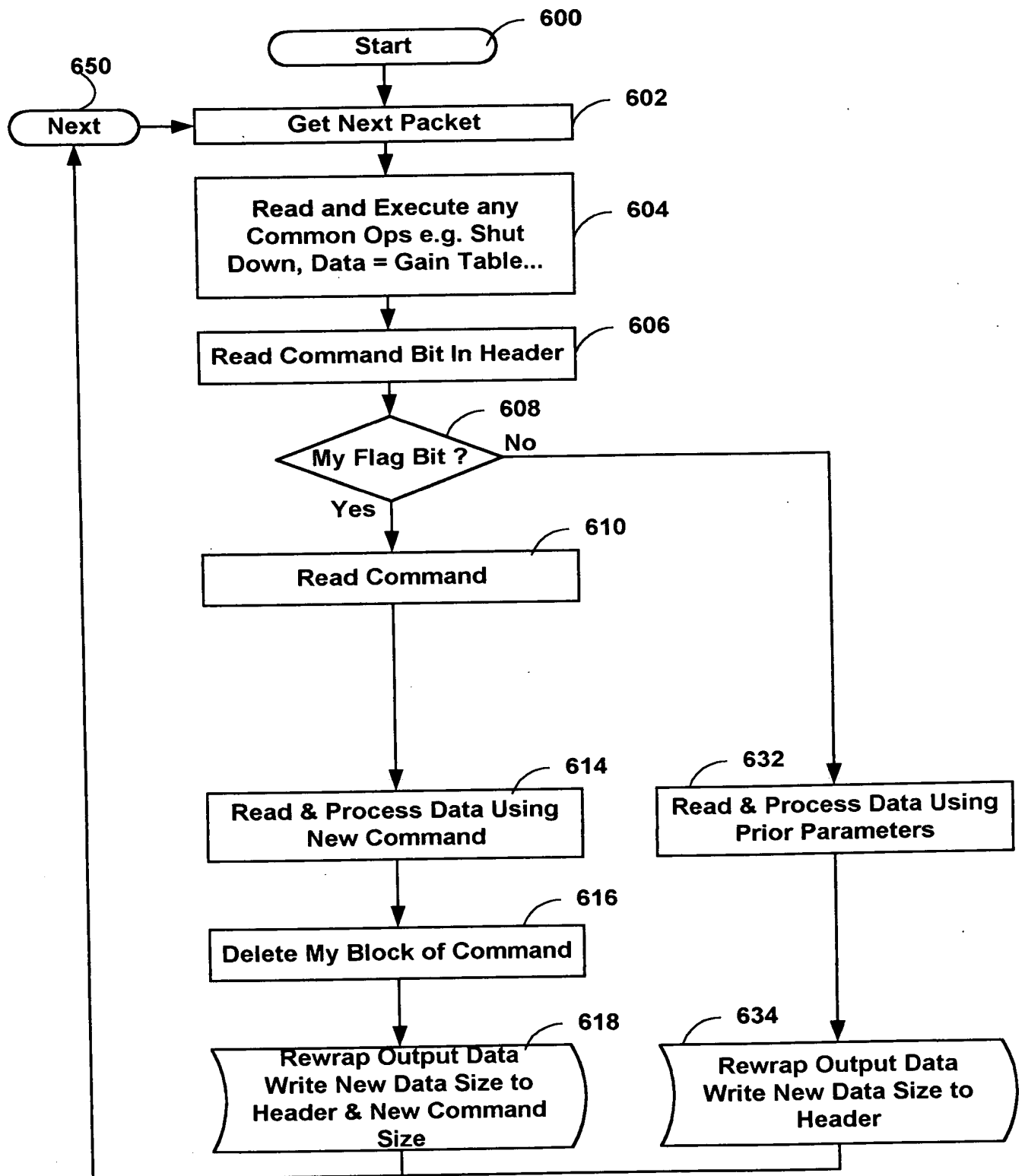


FIG. 6

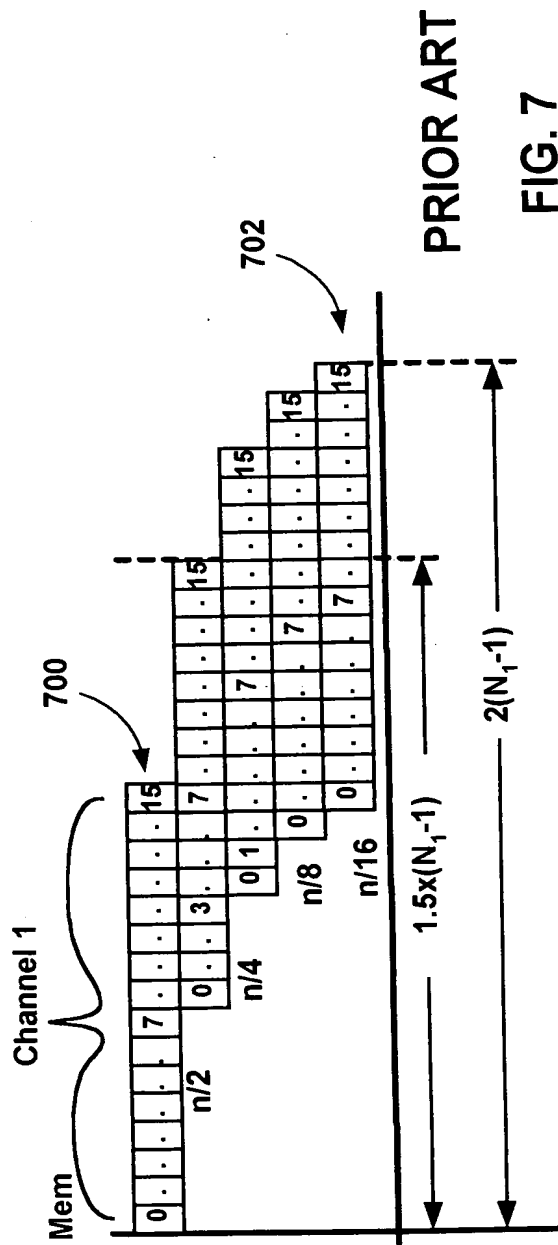


FIG. 7

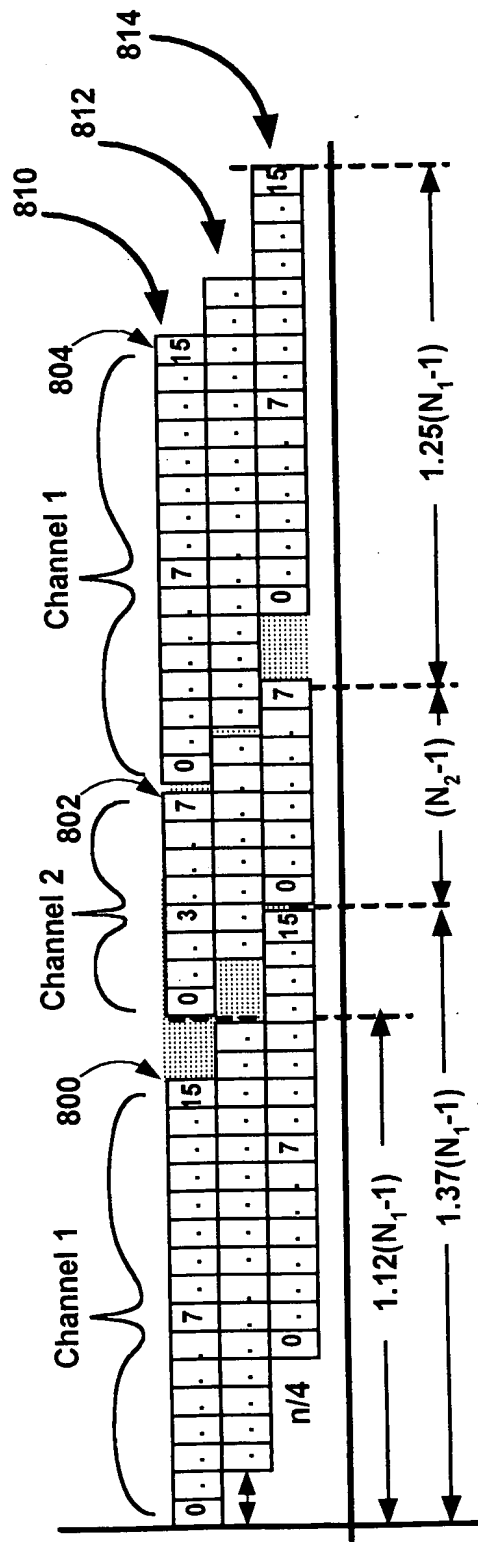


FIG. 8

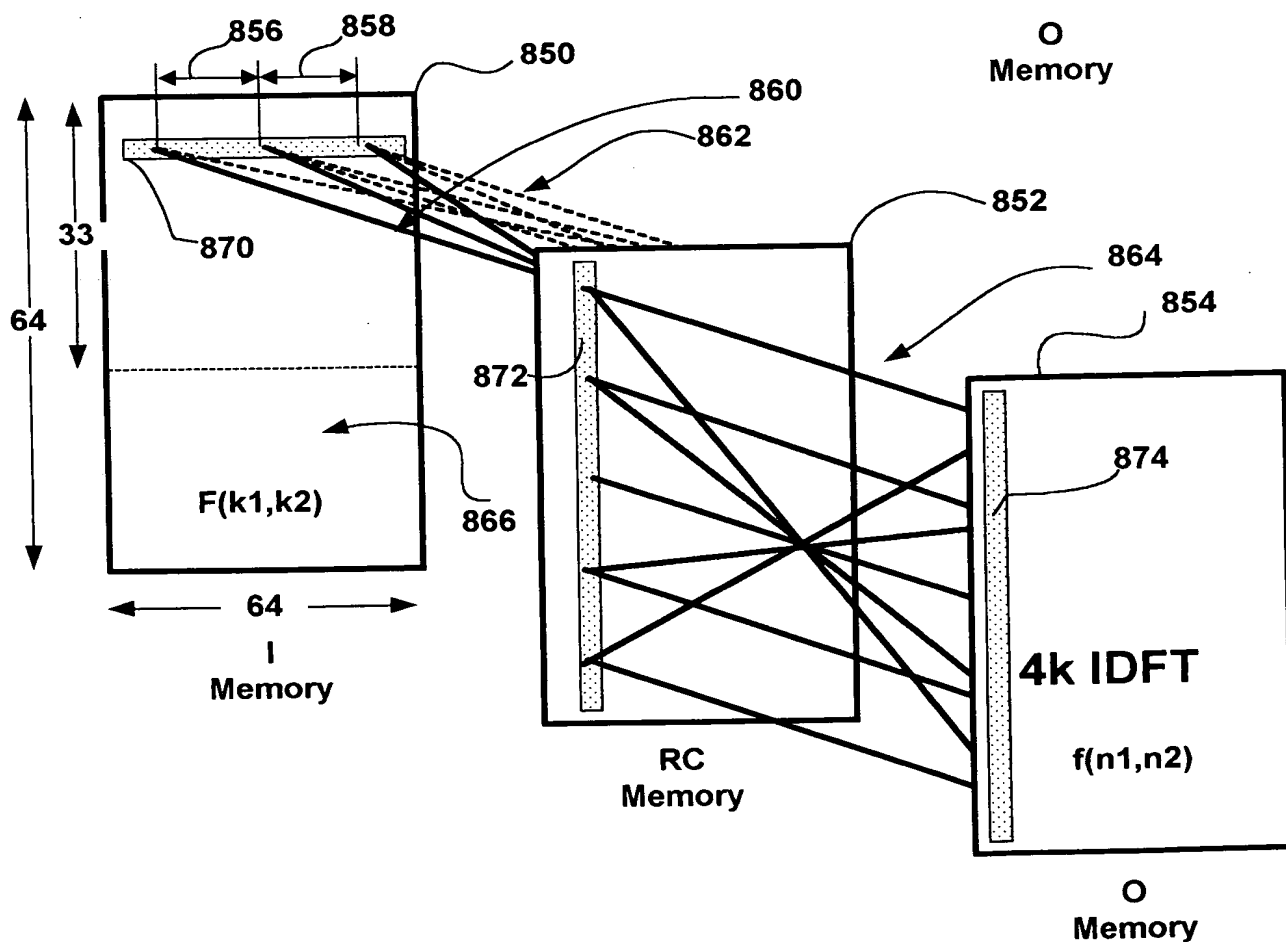
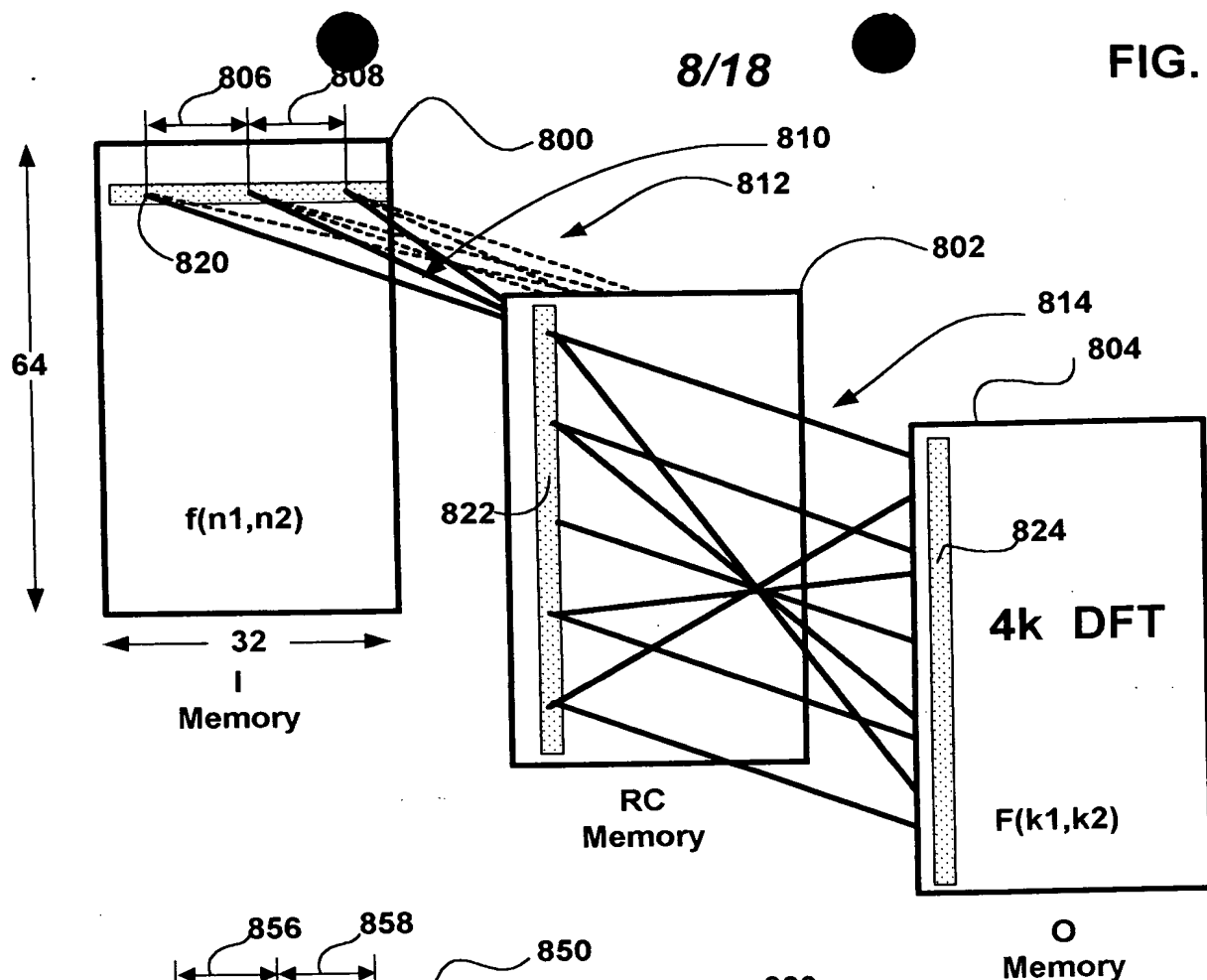


FIG. 9B

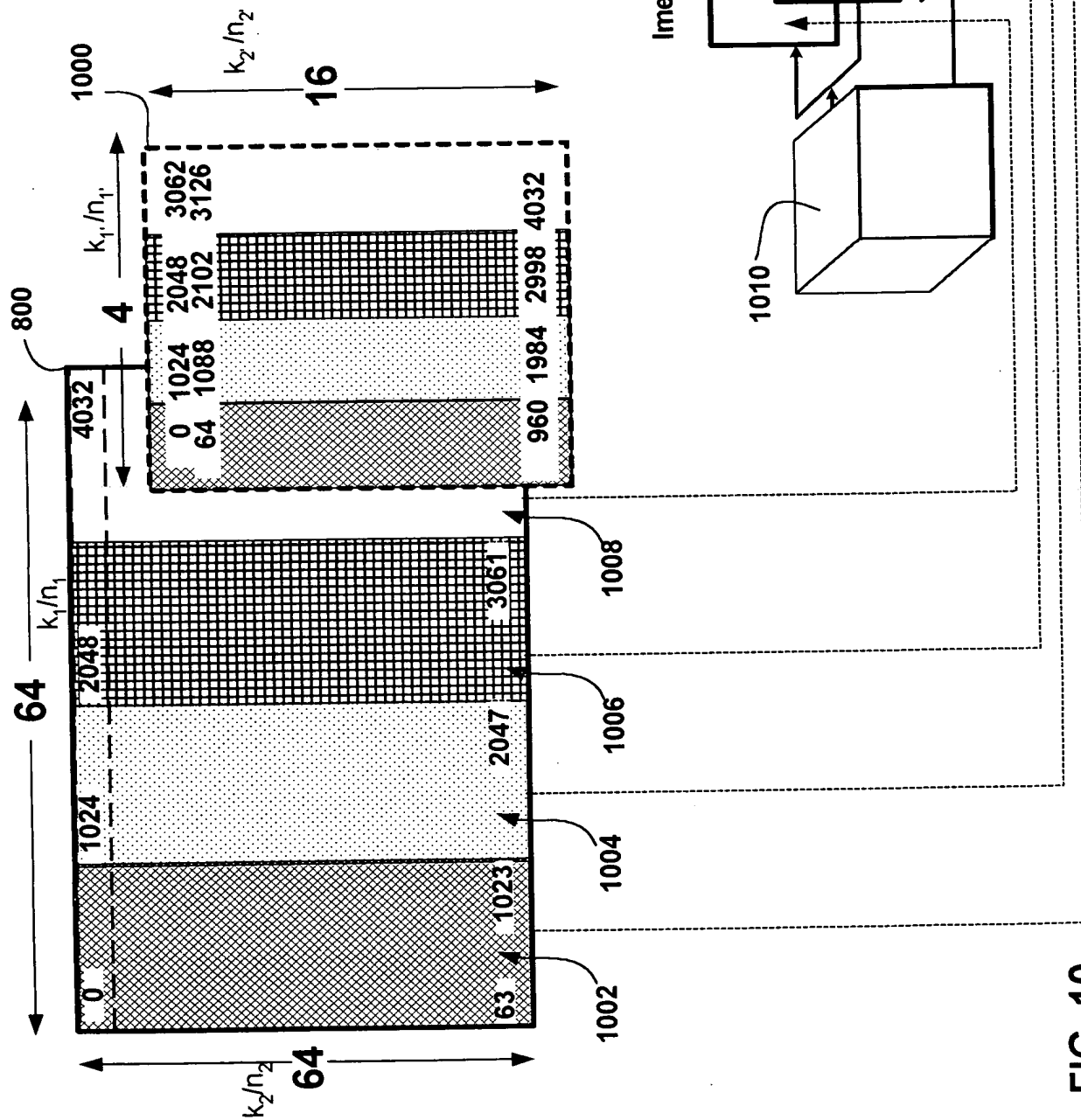


FIG. 11A

TRANSMIT		G.LITE	ADSL	VDSL	Other
Sample space		256	512	512 , 1024, 2048, 4096	
# Tones		128	256	256, 512, 1024, 2048	
Cyclic Prefix		16	32	Programmable	
	• •	• •	• •	• •	• •
Switching		High Pass Filter	High Pass Filter	None	

FIG. 11C

Sample	ROW TRANSFORM		COLUMN TRANSFORM	
4k	64	16	64	16
2k	32	8	64	16
1k	32	8	32	8
512	16	4	32	8
256	16	4	16	4
128	8	2	16	4
64	64	16	1	1

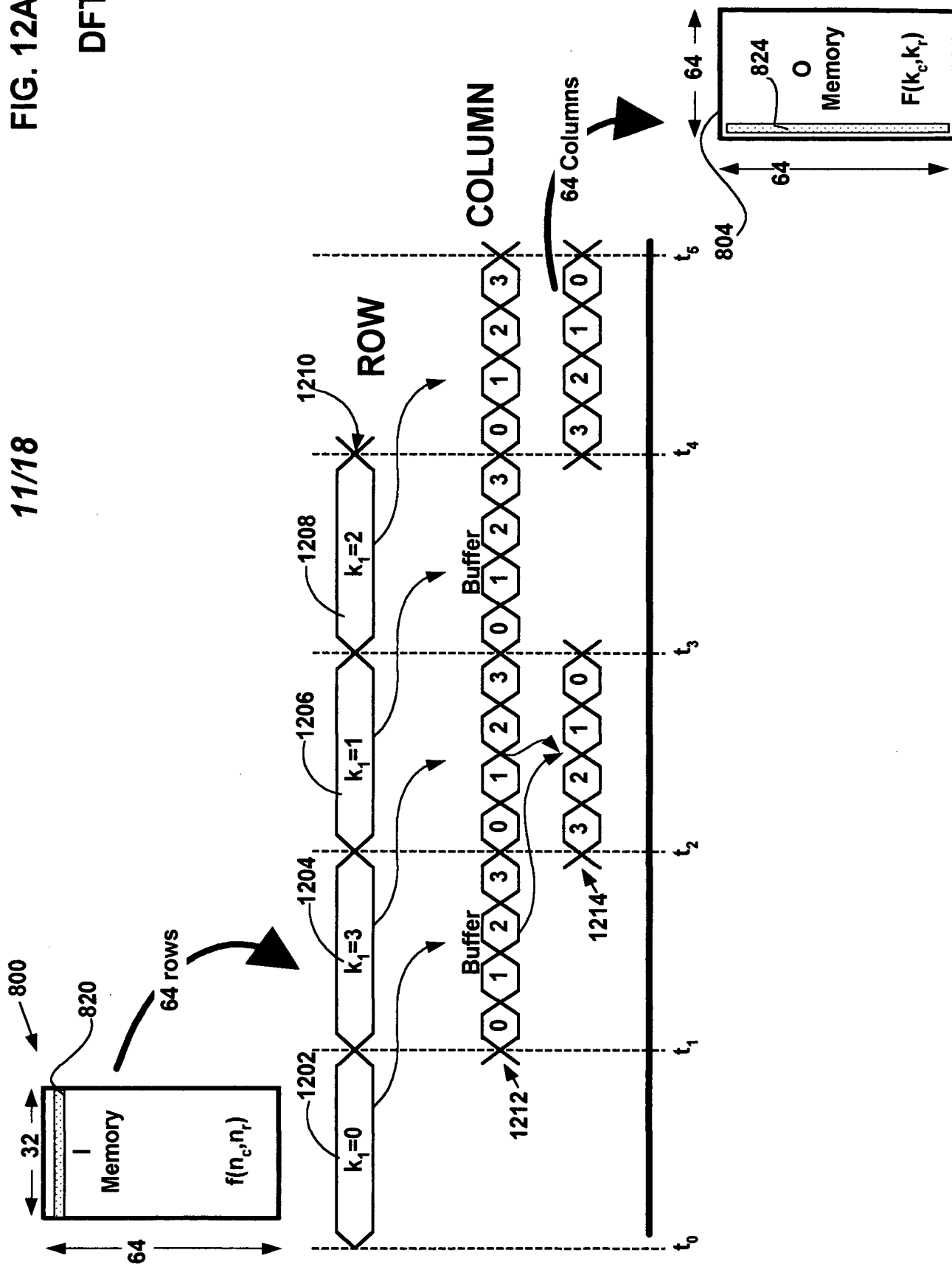
FIG. 11B

RECEIVE		G.LITE	ADSL	VDSL	Other
Sample space		64	64	512 , 1024, 2048, 4096	
# Tones		32	32	256, 512, 1024, 2048	
Cyclic Prefix		4	4	Programmable	
	• •	• •	• •	• •	• •
Switching					

FIG. 12A

DFT

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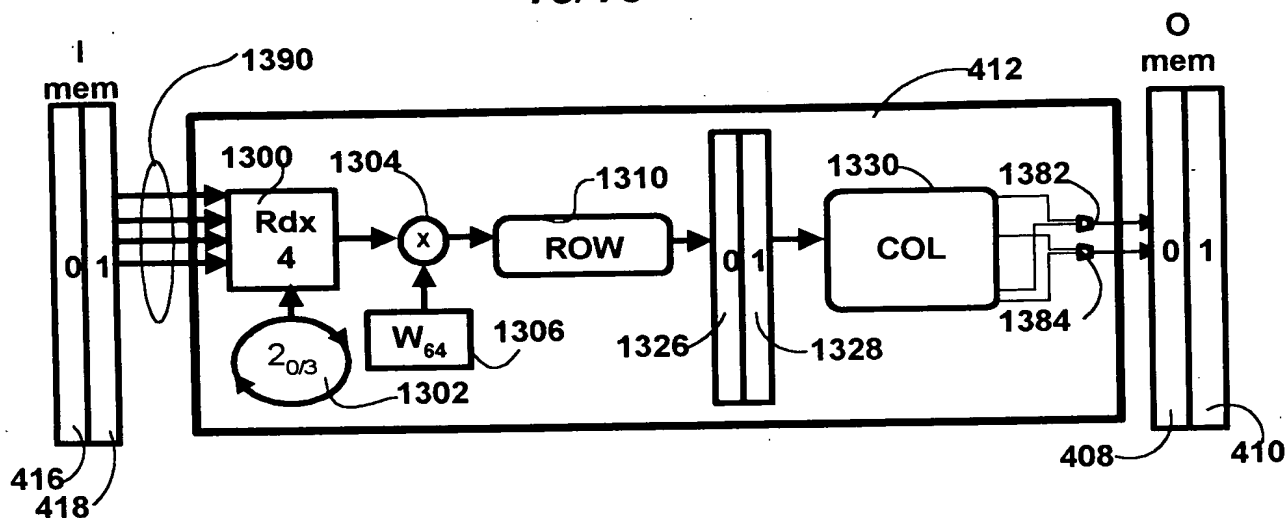


FIG. 13A

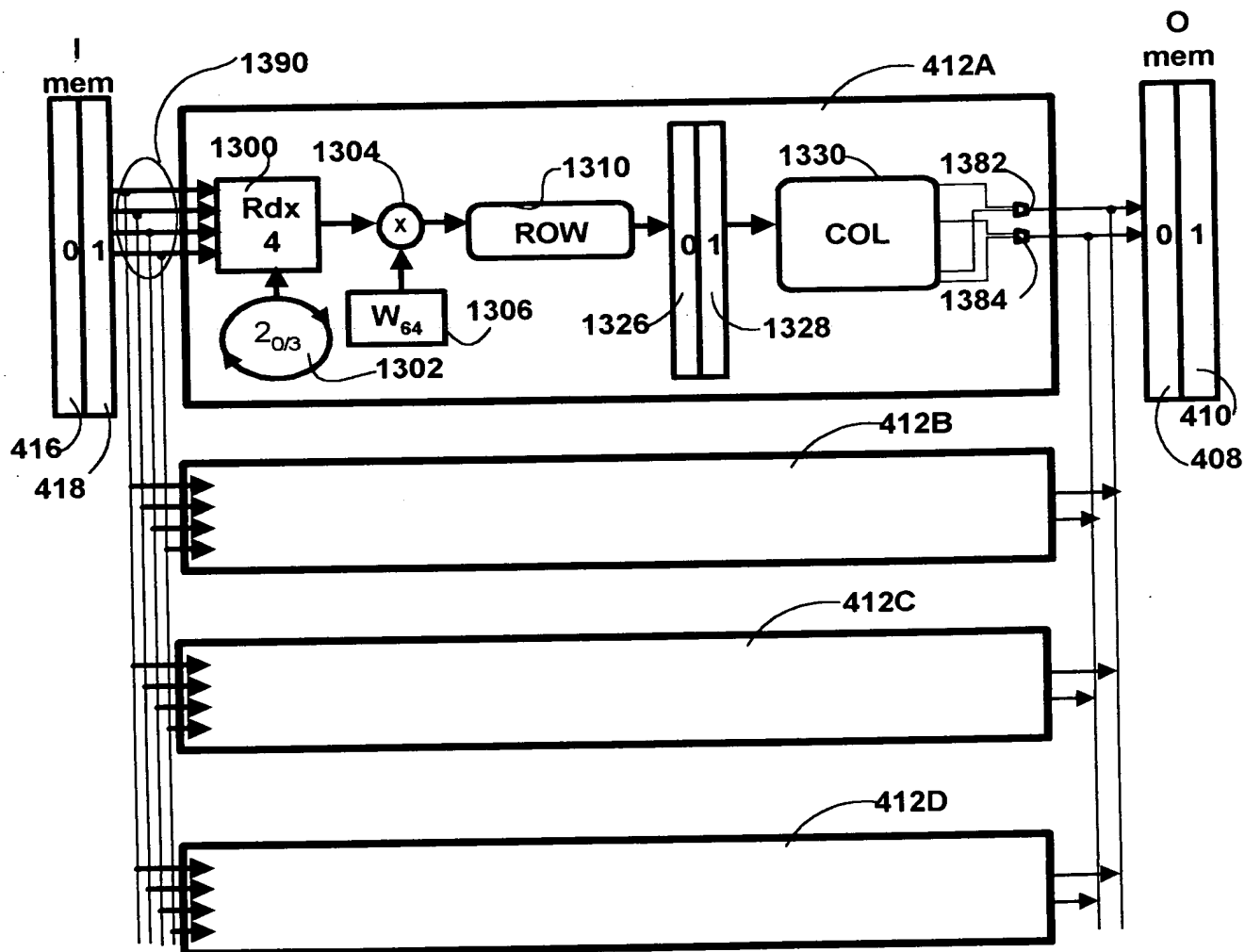


FIG. 13B

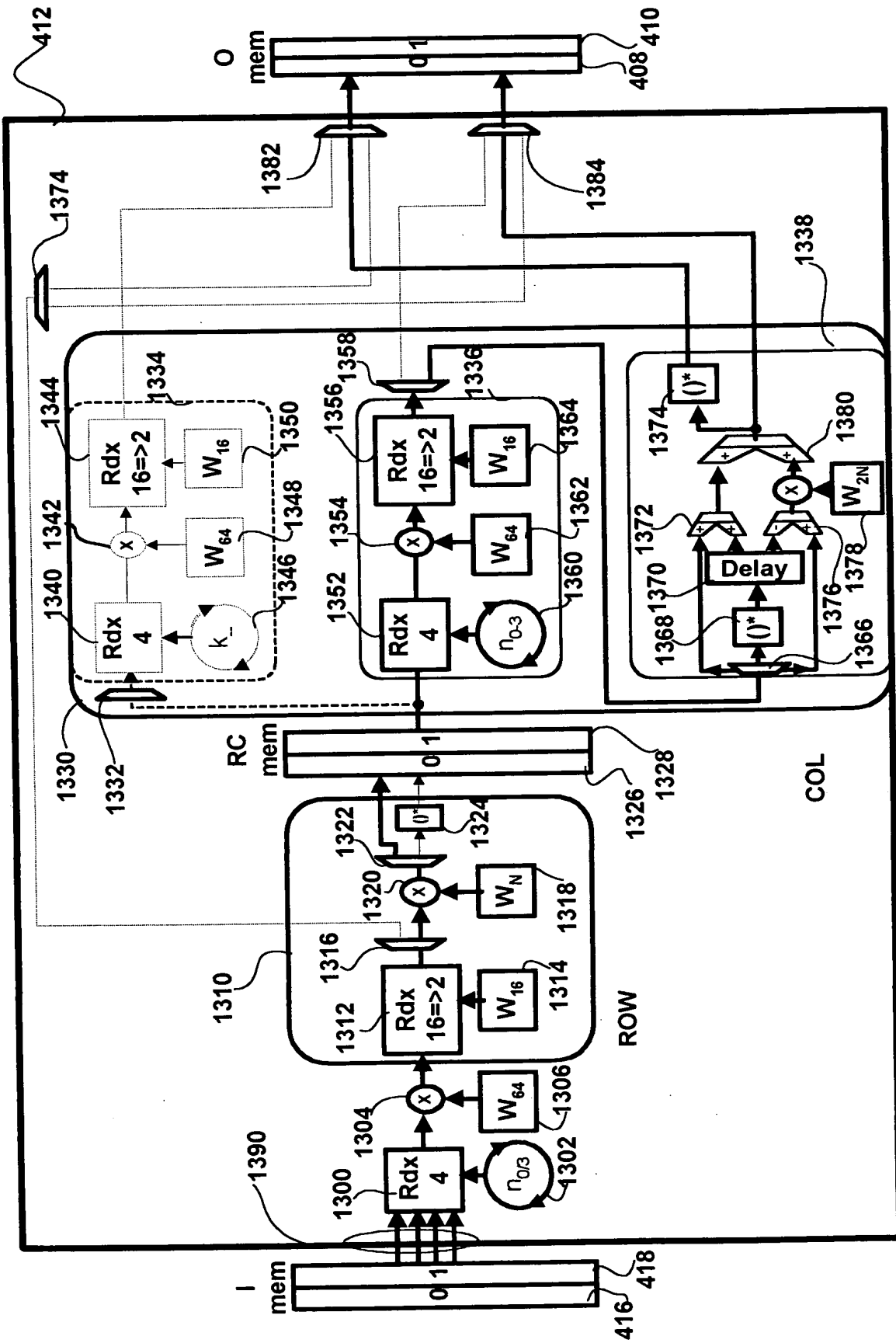
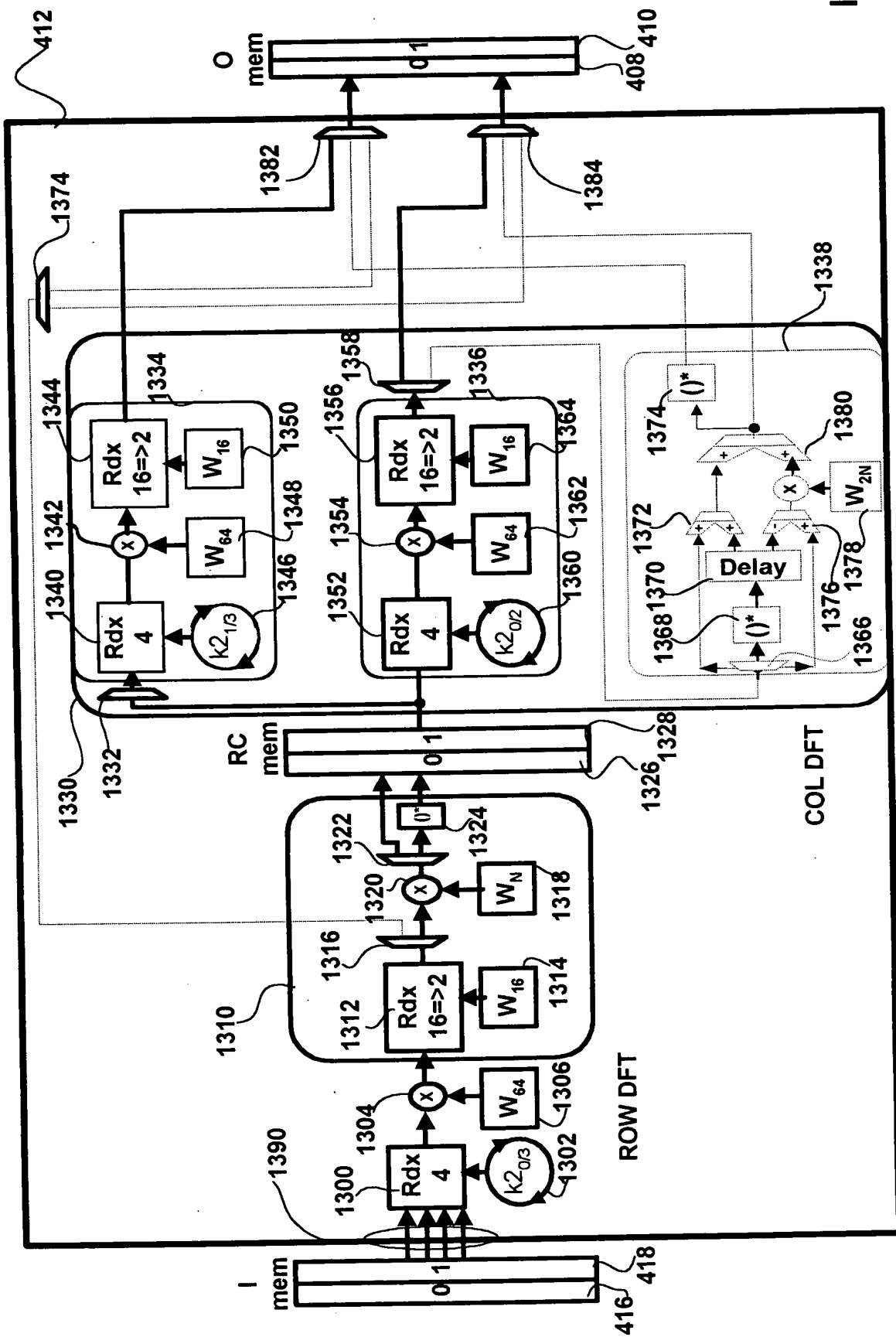


FIG. 13C



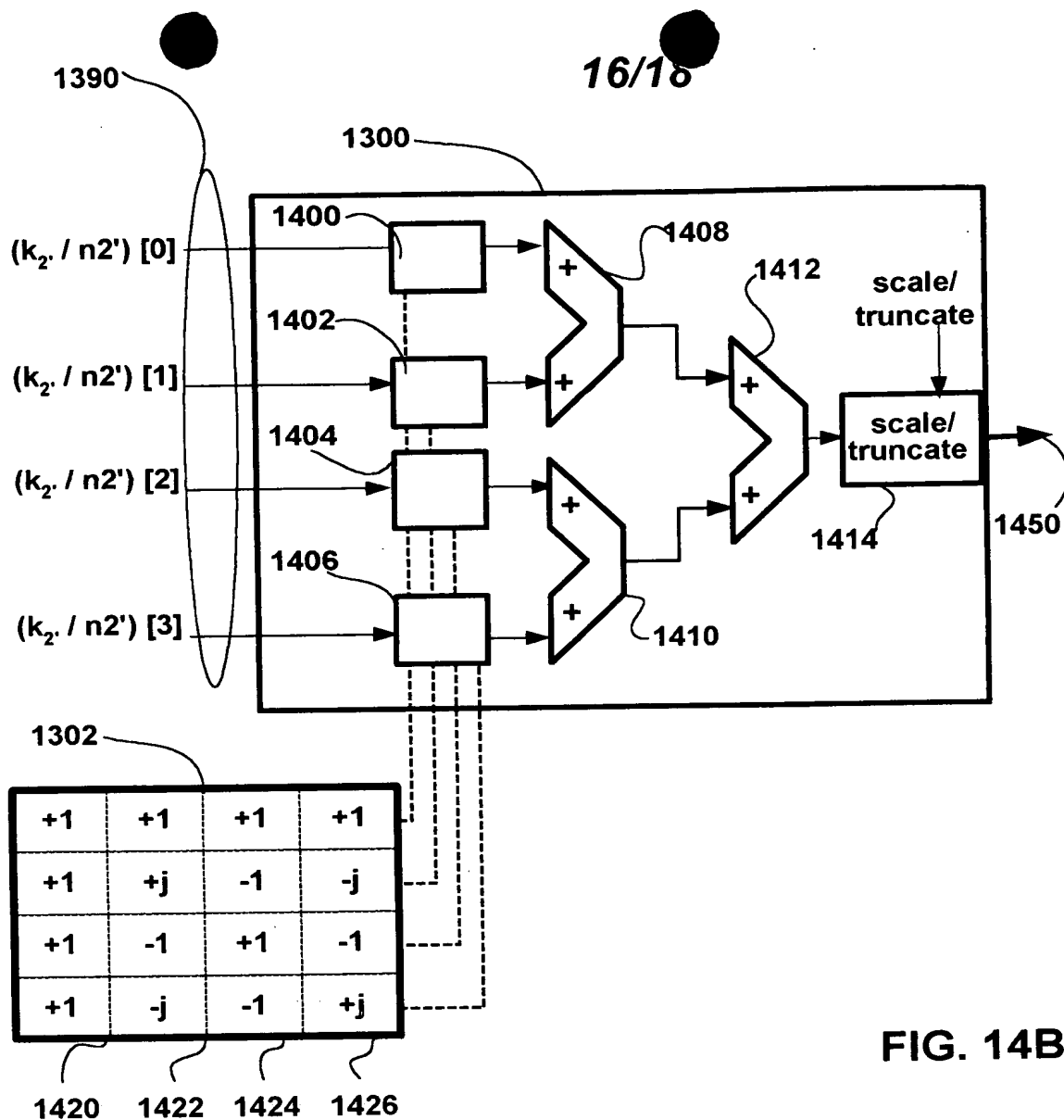


FIG. 14B

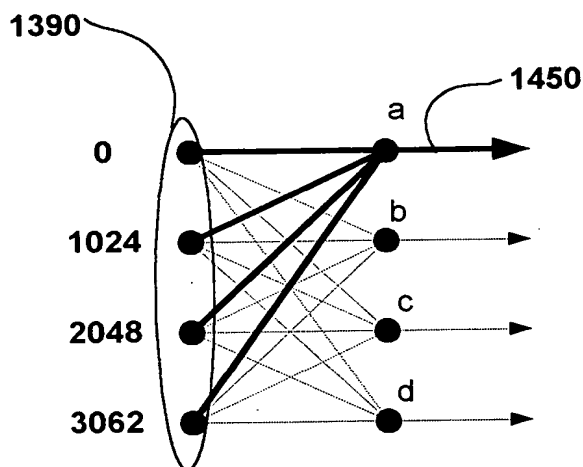


FIG. 14A

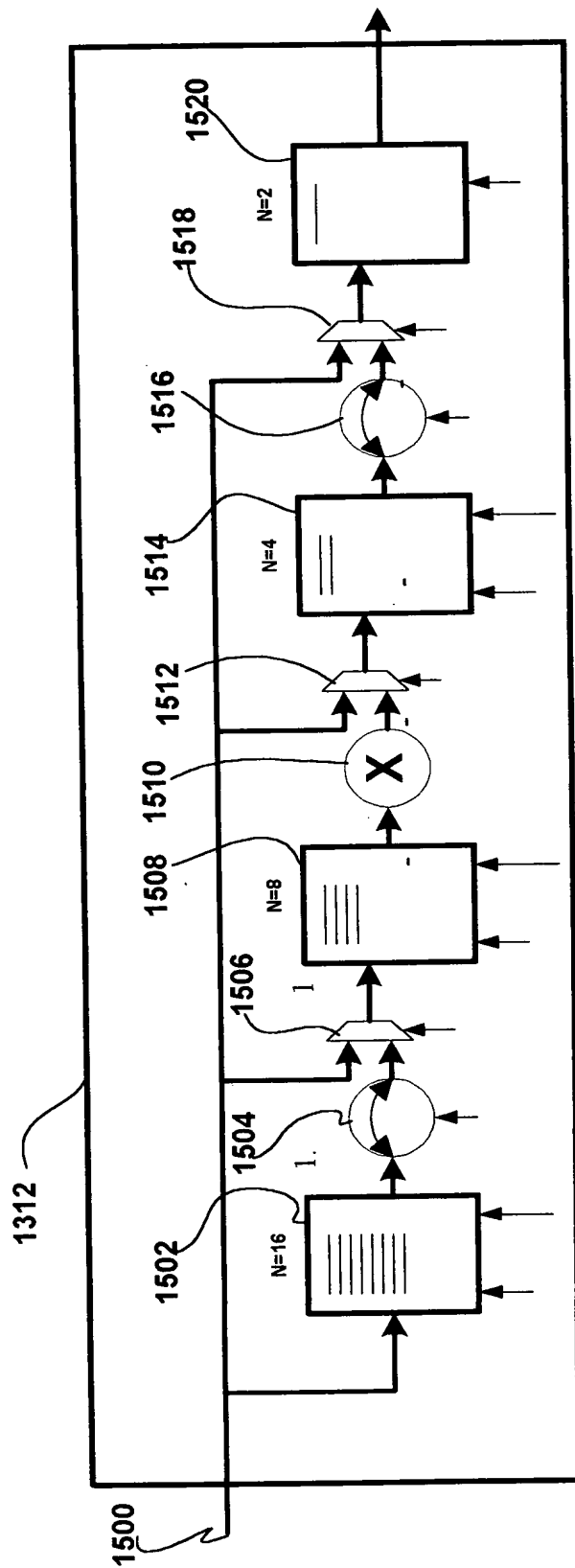


FIG. 15

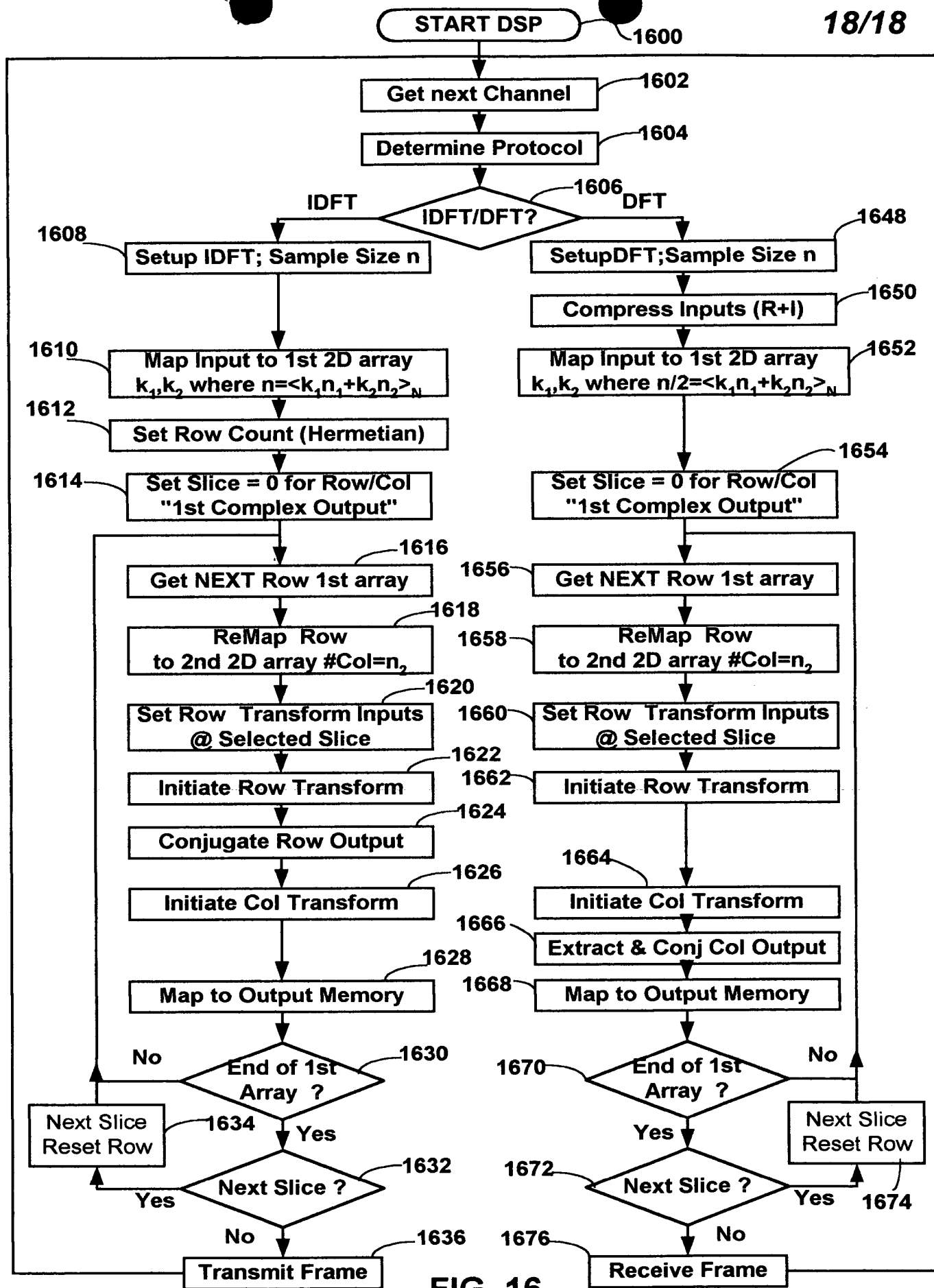


FIG. 16